

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005702**Date Inspected:** 05-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Chen Chih Ming**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segments**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector Dan Hernandez was present during the times noted above for observations relative to the work being performed.

This QA Inspector observed the following work in progress:

Bay 13 OBG Assembly

Segment 2AE

Flux Cored Arc Welding (FCAW) of weld joint SEG008B-017, 018 located on LD35A. Welder is identified as 066359. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD18A-PP16-127, 128 located on FB3A. Welder is identified as 068753. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SEG008B-043, 044, 045, 046 located on LD35A, LD3A and LD17G. Welder is identified as 066359. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SEG008C-046, 046 located on LD4A and LD18G. Welder is

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identified as 051356. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Shielded Metal Arc Welding (SMAW) of weld joint SSD56A-PP14.5-069 thru 104 located on FB52A. Welder is identified as 066028. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Shielded Metal Arc Welding (SMAW) of weld joint SSD17A-PP15-069 thru 104 located on FB8C. Welder is identified as 066478. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Shielded Metal Arc Welding (SMAW) of weld joint SSD18A-PP16-071 thru 106 located on FB8B. Welder is identified as 200113. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150-0042-2372 , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Hernandez,Dan	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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